The Logger's BARK

1916 - Radio Club of Tacoma - 2016

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The President's Corner

Dave W7UUU

It's hard to believe it's already that time of year again – Field Day is upon us! This year, Adam Barbera W2NCC, kindly stepped up to assume the duties of Field Day Co-ordinator, and he's doing a great job. On Wednesday April 26th he held the initial W7DK Field Day planning session at the clubhouse, with a great attendance and most of the key details were worked out.

First conducted in 1933, the ARRL Field Day is the single most-popular on-the-air event in Amateur Radio. Held the last weekend in June, Field Day attracts more than 35,000 amateurs from around the country. Some treat the event as a "radio sport" contest, trying to rack up the most points, some view the event as an emergency preparedness exercise, and for a lot of amateurs, it's simply a great opportunity for a weekend-long social gathering and big radio picnic. And regardless of how a given group approaches Field Day, it's always a great introduction to amateur radio for the general public.

Back again in 2017- Paul W7PFU (right) and Jan K7HTU at the FD *FOOD* Station. Last Years Saturday dinner entrées were Steak Tartar and Chicken Cordon Bleu. What will 2017 prevail for RCT FD hungry diners?

The theme for this year's field day unfolded as the April 26th meeting progressed. According to Adam, what seemed to bubble to the top is providing new or newer hams with an opportunity to get on the air. This will be a stated goal this year, with an emphasis to boost new operator on-the-air access.

Numerous alternate locations were scouted by Adam's team, but ultimately the decision was made to hold the 2017 W7DK Field Day at the same location as last year, the grounds of Western State Hospital at 9601 Steilacoom Blvd. SW in Lakewood. The tree situation is just ideal for high antennas, and the grounds are flat with easy access. Best of all, the RF noise threshold, for a pretty urban area, is quite acceptable. The antenna plan will be based on last year's successful arrangement, but with some possible additions such as the Bobtail Curtain and a Vertical Open Stub antenna for 40 and 20 meters. And from conversations heard around the clubhouse, it sounds like the amazing 3-element fixed-aim (to

the East of course) wire Yagi for 40 meters will again make an appearance, as provided by Rich Patrick KR7W and deployed by the Antenna Crew to its lofty height and tricky installation up high, spanning the trees over the main operating field.

New this year will be a dedicated Digital Station. Digital modes guru Bruce Hanson WE7P will be spear-heading the Digital Operation Station. And Randy Myers, W7DK's IT Committee manager will be arranging a Mesh Network again this year so that all station logging will be synchronized across the various operating positions.

Also returning for RCT's 2017 FD– Mike W7XTZ manning the 20M CW Station.

As a significant part of the April 26th meeting, all of the key operation roles were assigned. Bob Purdom AD7LJ will be our Site Manager, working closely with all the teams setting up the numerous stations. We now have managers assigned for all the operating band and mode positions, and of course it wouldn't be field day without Paul W7PFU keeping everyone fed from the Chuck Wagon, with assistance from Jan Gilbertson, K7HTU.

So mark your calendars – June 24th and 25th, 2017! Anyone wishing to volunteer in site duties please contact Adam Barbera, W2NCC (adambarbera@yahoo.com) And for those wishing to operate during this year's Field Day, sign-up sheets are at the clubhouse (1249 South Washington Street, Tacoma). Just come by on Saturday morning during open house from 9:00 to 2:00 and pick an available operation position.

Hope to see lots of new faces at Field Day 2017! Dave Ellison, W7UUU

2016 FD, here Chuck AC7QN spins the dial at the 40 Meter SSB/CW station looking for a few last contacts on Sunday morning.

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GREAT CAESAR'S GHOST

BY RICH KR7W - BARK EDITOR

Bunny Hunt Report

On May 21, 2017… RCT held a Hidden Transmitter Hunt (aka Bunny Hunt) at the Fort Nisqually Historical Area at Point Defiance Park in Tacoma. There were 5 total transmitters to find. One up-close practice and four others hidden further away in varying degrees of difficulty. The closest was 301 CFF (crow fly feet) and the furthest was .5 CFM (CF Miles). The furthest Bunny was hidden in a spot where a hunter could use their car or a bicycle to assist with finding it very close to the 5 Mile Drive road. The course was open from 10 AM to 2:30 PM.

The proprietors/hosts of the hunt were Bob K7MXE, Mike W7MFW, Red WB7EC and Rich KR7W. Bob, Mike and Red manned the store front by signing in participants and giving instruction to newbies who borrowed the loaner hunt equipment. Red monitored each transmitter to alert us if it went silent. Rich was in the bush hiding the bunny transmitters and antenna. 14 hunters signed in to participate.

Each hunter was give a map of the Parks hiking trails, a self score sheet, and a Feedback-Comment form to fill out upon completion. Newbie hunters were shown how to find the practice transmitter to get the hang of using the equipment. More experienced hunters took off on their own. Most hunters found the closest bunny first then progressed in order. A few hunters selected their bunnies randomly. Not all hunters found all 5 transmitters.

Proprietor Mike W7MWF took the self score sheet and Feedback forms that were returned and compiled the results to determine the winner and degree of overall satisfaction the hunters experienced. **The Bunny Hunt Winner will NOT be revealed in this article– but at the next Club Meeting.**

Bunnies 1 thru 4 were built by KR7W in 2008. Time takes it's toll and two new batteries were needed. To recover this cost– a donation jar was provided and hunters showed their generosity- Kudos to those who donated to the fund.

To show his enthusiasm, bunny hunter Mike-W7MKE made up a small embroidered patch for participants. A nice touch– Hats off to you.

I will sew this nice patch on my merit badge sash.

Six out of the 14 participants found all 4 bunnies (not counting Practice bunny). Since the most difficult bunny was hidden near the road– hunter Bud K7BUD took off in his car to find it. He was successful and only had to drive around the loop 3 times.

Most participants who filled out the feedback form indicated that they were very satisfied with the hunt and would be back if offered again.

Photos of hunt can be seen through out this newsletter.

DID YOU KNOW?

QST magazine of September 1933 announced that the winner of the First Annual FD was a Non Club group, W4PAW, who made 62 QSOs to 28 SECTIONS and-Countries.

First Time Bunny Hunters Prez Dave W7UUU and YL Ann N7ANN teamed up to hunt around the fort.

Steve AF7YD with roof-top yagi, homebrew Active Attenuator in tool bag suspended from his belt, and Icom Handy-Talkie on his neck.

What hunters found at the 1 Dit transmitter location

Tim K7TMW (center) bought his two sons. Phil K7PIA in the distance with unique Elk Antenna.

Jim W7OWI– a first time hunter dialed in his Active Attenuator. Jim is very close to finding the 2 dit transmitter.

Above: Experienced hunter Chuck AC7QN near the 2 dit bunny– tunes up his Baeofeng Handy Talky. Even though Chuck was handicapped with a Baeofeng HT, he found all 4 bunnies in a respectable time.

Infrequent hunter Bud K7BUD (L) and experienced hunter Al N7OMSs paths have collided near the 3 dit bunny. Both hunters found all bunnies.

Below: Tim K7TMW (L) and his two sons along with Chuck AC7QN and Jim W7OWI all collide very close to the 2 dit bunny. Once Tim knew he was close– he'd then have his boys scour the woods for the Bunny Flag. It was sorta like watching a bird dog flushing pheasants from the bushes.

Mike Schuh KF7QDZ (right)- an avid ARDF and Orienteering hobbyist brought his buddy Bill AD7TM– a first time hunter. Both came from Seattle.

HamShacks of the Month

by Contributing Members

WB4OMM's shack out back…

Inside the shack– the centerpiece radio is a 1970s Heathkit HW-16 with matching HG-10 VFO.

Images harvested from the world wide web.

Around the Clubhouse
Past, Present & Future Info

Dateline: RCT Clubhouse, May 10, 2017…

For the first time that I can remember… the Second Wednesday of the month club meeting was held at the RCT Clubhouse instead of the Library Service Center near South Hill. About 35 folks signed in. To accommodate the larger crowd– the class tables were folded up and more chairs placed in the classroom. Seen in the Lower Right– FD Chairperson Adam W2NCC in the middle of giving a Field Day presentation.

Dateline: RCT Clubhouse- May 12, 2017…

[this blurb submitted by Mike W7MWF]: A tip of the ol' Stetson to Club Members Red WB7EC, Rich KR7W, Joe KF7PXDB and Jan K7HTU for their hard work on Friday, May 12 performing a grounds cleanup of the our property. Trash was picked up, weeds were whacked, rocks were moved, shopping carts were returned to merchants, and an overall spiffing up of the W7DK environs was accomplished. Well done!

Did You Know?

You can be a RCT Volunteer-
Ask your Club President about volunteering your skills at your radio club.
w7uuu@w7dk.org

Dateline: RCT Clubhouse, May 24, 2017

More Field Day news… Randy WB4SPB of the 4th Wednesday Activity Night ad-hoc committee put together and presented an informative Power Point presentation that covered the Field Day Logging program the club uses (N3FJP) and HF Single Sideband QSO making at Field Day. Randy covered the QSOs Exchange of needed info to complete the log, proper use of the ITU Phonetic Alphabet, making an 'efficient' QSO, Tuning in a SSB signal– which can be difficult to newbies to SSB, entertained questions from newbies, and facilitated suggestions from old seasoned SSB FD operators. It seemed like there were 4 or 5 new interested new folks amongst the 12-15 seasoned operators.

At the end of the discussion– operators were given the opportunity to practice making QSOs using two SSB stations with PC Logging. A team of two ops– the radio operator and the logger sat at a mock FD station and answered **"CQ Field Day this is FAKE CALLSIGN"** calls from experienced operators manning the other HF stations. Antennas used at each radio were Dummy Loads at the antenna patch panel– very little radio energy left the building. After each completed QSO, the radios frequency was changed a bit to allow the trainee to tune it in properly. Wow! Live over the air practice with real radios and real computer logging– just like in the field except for the lack of QRM and QRN.

New club member Kerry KI7LTV is at the Lou Room station 'Searching and Pouncing' on CQ FD calls from the two stations set up in the upstairs HF Room.

Mock FD station radio operator Mike W7MKE (L) works with QSO Logger-Bob KF7GPO at the temporary IC-718 radio set up in the Classroom.

A Message from the Field Day Manager
By Adam Barbera W2NCC

Field Day is the largest North American ham radio event that is part contest, practice of radio skills, and experimenting. All of this with a good combination of food, fun and friends makes a formula for an enjoyable weekend.

There are many ways club members and non-members may participate in FD (Field Day). Not only will the Radio Club need veterans of FD events, and veteran radio operators, but those new to Ham radio are needed and encouraged to participate. The newest licensee Hams and "not-yet-licensed" guests can contribute by making radio contacts under the supervision of a mentoring Control Operator. This is a great way to learn about the art of Ham radio and to experience different radio equipment, antennas and other ham gear.

For example the 20m CW station will be operating an Elecraft KX3 radio Rich KR7W, will be supplying.
The KX3 is Ultra-Compact radio (3.4"H x 7.4"W x 1.7"D) making it an excellent radio for SOTA work. This is an all mode radio covering all amateur bands from160-6. Elecraft is one of the few US made radios and the company is based in Monterey, California.

This year the club will be operating a digital station. Bruce WE7P & Al N7OMS will be setting up a Flex 3000 SDR radio with a large screen monitor. These radios are controlled with computer software. There are no front panel controls like traditional radios just an electronic brick that is connected to a computer. The Flex3000 radio has outstanding receiver capability. See the Sherwood Engineering website for details. If you are not familiar with SDR and the flex radio technology then come to FD.

This year the 20 meter phone station will be operating with an Icom IC-7700 radio. This is one of Icom's flagship radios. How did we end up with a powerful radio like this? Well, your FD manager reached out to Icom and requested a loaner radio for field day. Icom agreed to loan us the 7700 radio. It just so happens that the Icom US headquarters are located right here in Kirkland, Washington. In early June, Al N7OMS, and I will be making the trek to their office to pick up the equipment.

If you have not yet operated a high-end radio like this with a band scope, water fall display, mouse click tuning and Icom's legendary DSP then FD is the place to experience this radio.

The FD site is massive with a number of shelters that need to be put up to safely house radios and operators. Large HF 80 and 40 meter wire antenna will be erected. Also, 2 Mono band 20 meter yagi antennas will be mounted on portable rocket launcher towers. Another important thing to remember is this event cannot happen without assistance with equipment transport, setup and takedown, greeting visitors, and food service.

Field Day is popular for a number of reasons. There are many activities members and non-members can participate in like radio operation, set up and having radio new experiences. It is a chance to spend some time in June, outdoors, rain or shine. Please give some thought as to how you would like to participate this year and be prepared to come to FD, learn, ask questions, and get on the air!

Note: This year's field day location will be at Western State Hospital Grounds, June 24 & 25. See the clubs website for additional information. www.w7dk.org

More Bunny Hunt Photos...

New ham and first time hunter- Lloyd AG7CX poses next to the 1 dit bunny he bagged behind the fort.

Above– first time hunter Mike W7MKE seriously focused on the 3 dit bunny. Mike found all 4 bunnies on foot– a big accomplishment for a first timer.

To the Right- another first time hunter, Paul W7PFU jots down the info from the flag right after bagging the 3 dit bunny.

These hunters built their Yagis at the clubhouse and fabricated together the KC9ON active attenuator kits.

CLUB MEETING TRAFFIC

PROVIDED BY: MIKE W7MWF, CLUB SECRETARY

Radio Club of Tacoma
Board of Directors Meeting Agenda
April 5, 2017

Meeting called to order at 6:59 p.m. by Vice President Mike W7XTZ.

Officers and Directors Present

Vice President	Mike Mikuchonis W7XTZ
Secretary	Mike Finnie W7MWF
Treasurer	Steve Dightman AF7YD
Board	Phil Pia K7PIA
Board	Red Cranefield WB7EC
Board	Bruce Hanson WE7P
Board	Bob Jamison KE7WPK
Board	Paul Matney W7PFU

Quorum A quorum was present. 11 members signed the attendance roster.

Silent Key or Illness There were no reports of silent keys or serious illnesses

Approval of Minutes The minutes of the March 1, 2017 Board Meeting were approved

Secretary's Report (W7MWF) Usual Correspondence; Memberships, utility bills, periodicals. State Corporate Report and IRS Form 990N have been filed. Secretary now has on-line access to County Personal Property account and declaration will be filed this month before the end-of-April deadline.

Treasurer's Report (AF7YD) Steve reported he is continuing with reconciliation and submitted a report, a revised copy of which is filed with these minutes.

Committee / Reports

Membership Mike W7MKE reports membership now stands at 280 active, with several new applications and renewals pending.

Training Tech class April 8/9 to be held in Yelm. VE Exam April 11
General class ten sessions ongoing on Mondays until April 17

Info Tech Mike W7MWF report on behalf of Randy WB4SPB all systems nominal

HF Operations Update on rotor malfunction; possible donation of robust rotor. Nick K7MO has offered to donate (from the estate of Bill Rohrer W7IJ) a used but in excellent condition M2 (M Squared) Orion OR2800PXAZ Rotor. He also was wiling to donate Bill's controller, but said it is not optimum for club use because of its complexity. Philip K7PIA agreed

with Nick's assessment. Nick recommended that the Club acquire a Green Heron RT-21 list price $569.00 configured for the rotor. Nick's donation was conditional on the Club's commitment to utilize the rotor and not place it into the surplus category for other use or sale.

It was moved and seconded to accept Nick's conditional donation, and to authorize up to $600.00 to purchase the Green Heron controller. Motion carried.

Repeater Ops Tim K7TMW reported that repeater upgrade is in progress starting with the 440MHz unit.

Facilities Mgmt Bruce WE7P reported all systems nominal. Mike W7MWF reported trouble with the electronic door locks and encouraged double-checking to ensure that the bolts are seated when locking up.

Property Mgmt Mike W7MWF reported on success of sale at Mike and Key event. Future PMT plans include reconciliation of records following sale. Red WB7EC is willing to undertake coordination of inventories of other RCT property inside the clubhouse and at repeater sites with the condition that appropriate committee personnel assist in the process.

Museum (KR7W) No Report

Weds Activity Night April topic TBD. Possibilities include ARDF and/or Field Day workshops

General Meeting (W7UUU) Adam Barbera W2NCC has arranged for Mike Mertel of StepIR to give a presentation on StepIR antenna products, how they work, and what a cool antenna they are.

Unfinished Business (if not addressed during committee reports)

New Business

ARDF Bunny Hunt This activity is planned for May 21 to be held at Ft Nisqually/Point Defiance. Rich KR7W, Bob K7MXE and Mike W7MWF are the instigators.

Handicap Parking Mike W7MWF addressed the BOD regarding the apparent shortage of handicap parking space and requested designation and installation of signage for additional handicap parking spaces. It was agreed to mark up to 2 additional spaces in a suitable location. Mike said he would arrange for this to be done using existing signs in the near future.

Field Day Planning – Adam is out of state but expects to be going full speed with FD planning when he gets back to town later in the month. LCdr Bob AD7LJ has submitted request for site use at WSH.

Activity Reports and Discussion Topics

Special Olympics Ham Participation "I am looking for amateur radio operators to assist with the Special Olympic of Washington Summer Games 2017 that will be held at PLU and the surrounding communities June 3rd and 4th 2017. Contact John Caverly, KC7OLB Jonathan Caverly caverlyj@gmail.com"

Comm Acadamy The19th Annual Communications Academy is being held on: April 22nd & 23rd, 2017 at South Seattle College. Visit www.commacadamy.org for more info.

Announcements No other announcements

Adjournment The meeting adjourned at 7:52 p.m.

Submitted by Mike W7MWF Secretary

Radio Club of Tacoma
General Membership Meeting Minutes
April 12, 2017

Meeting called to order at 7:30 p.m by Vice President Mike W7XTZ at the Pierce County Library Administration Building.

Officers and Directors Present

Vice President	Mike Mikuchonis W7XTZ
Secretary	Mike Finnie W7MWF
Treasurer	Steve Dightman AF7YD
Board	Red Cranefield WB7EC
Board	Phil Pia K7PIA
Board	Paul Matney W7PFU

Pledge of Allegiance led by

Welcome and Self-Introductions
Guests Mike KI7LYW introduced himself. Also present was our speaker Mike K7IR
New Calls none noted
Self-introductions were completed. Several club members attended for their first time. 35 attendees signed the roster.

Health and Welfare
Silent Keys It was noted that Lorraine Robertson KA7WGG RCT# 1330 became a silent key on April 4, 2017

Secretary's Report Mike W7MWF reported the usual stuff, membership renewals and new joins, periodicals. Also, Corporate Reports (2017)and IRS 990N (2016) have been filed.. We received a certificate for our performance during Salmon Run 2016 that will be displayed in the clubhouse.

Treasurer's Report Steve AF7YD commended the Property Management Team for generating nearly $2000 in revenue during February and March. Steve is continuing to reconcile and categorized the 2016 records and will be producing updated financial reports soon

Committee / Activity Reports

Membership Mike W7MKE reported that membership stands at 280 with about a half-dozen applications pending.

Training No license training classes scheduled for May

VE Report (AC7WW) John reported on the April 11 VE Session. A copy of his report is filed with the minutes. The next VE Session will be held April 17th. Also VE Session scheduled for May 9th.

HF Operations Phil K7PIA provided an update on broken rotor solution. An M2 (M Squared) Orion OR2800PXA rotor has been donated from the K7IJ estate by Nick K7MO. The Board has also approved purchase of a Green Heron RT-21 controller for $569. Phil, Adam, and others will continue to coordinate rotor replacement.

Repeater Ops It was noted that the repeater upgrade process is underway.
Museum Randy reported that the Eldico Transmitter is next on the rehab schedule.

Facilities Mgmt There were no reports of any adverse issues.

Prop Mgmt Kudos to PMT members who worked the M&K Hamfest. Month-end swap meets will continue.

4th Weds Activity Night:Topic but probably will be about ARDF and/or Field Day Planning

New Business Field Day 2017 – Adam W2NCC updated us on plans for the 2017 Field Day Operation to be held June 24/25

Program Mike Mertel K7IR from SteppIR Antennas provided an interesting and informative introduction to their antenna products, history of antenna development, and an interesting insight into various aspects of antenna theory and modeling.

Unfinished Business and Announcements

ARDF/Bunny Hunt Scheduled The Club will be sponsoring a Hidden Transmitter Hunt on Sunday, May 21 from 10AM until 2PM at Fort Nisqually area in Point Defiance Park. This will be on fairly easy terrain, plenty of parking, and some loaner equipment will be available. Make it a family even, no license required! See Rich KR7W, Mike W7MWF or Bob K7MXE for more details. Also there is lots of info about it in the March Issue of The Loggers Bark and on the website w7dk.org

Comm Academy 2017 - April 22-23 at South Seattle College - A weekend-long training workshop for Volunteer Emergency Communicators. Registration for one or both days includes lunch. Web page for further details: www.CommAcademy.org. Registration opens Sunday, February 26, 2017.

Special Olympics Ham Participation I am looking for amateur radio operators to assist with the Special Olympic of Washington Summer Games 2017 that will be held at PLU and the surrounding communities June 3rd and 4th 2017. Contact John Caverly, KC7OLB Jonathan Caverly caverlyj@gmail.com

FLASH This coming Saturday, April 15, at the Clubhouse two workshops will be held in preparation for the May 21 Bunny Hunt.

- First, one or two transmitters will be hidden in the vicinity of the Clubhouse, and several " loaner" receiver/attenuator/Yagi antenna sets will be available for learning how to hunt the bunnies or to refine your rusty skills.
- Secondly, materials will be available and instruction provided to enable you to construct your own 2M tape measure Yagi antenna suitable for ARDF. Each participant needs to furnish one tape measure with a 1 inch blade (1/2 and ¾ inch widths are not suitable). Harbor Freight quality is fine, and minimum length is 12 feet.

*A **tip jar** will be available to let you help offset the cost of materials provided by the sponsors.*

Show and Tell Bill AD7QI demonstrated a polychromatic LED gadget and solicited information about it.

Tuning and Traffic

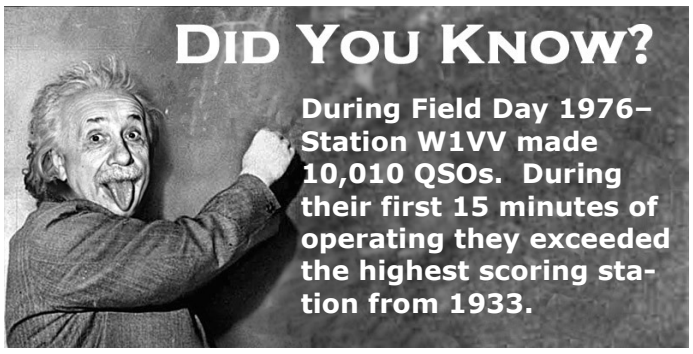
Steve Dightman AF7YD would like to find a ride to Comm Academy for either or both Sat. and Sunday April 22 & 23. (253 988-0878) (Transportation was arranged)

Door Prizes Arrays of handy tools were won by Randy WB4SPB, Mike W7MWF, Kerry KI7LTV and Roger N0NA.

Raffle Prize A transmitter kit was won by Warren NG7G

Adjournment The meeting adjourned at 8:55 p.m.

Submitted by Mike W7MWF Secretary


DID YOU KNOW?
During Field Day 1976– Station W1VV made 10,010 QSOs. During their first 15 minutes of operating they exceeded the highest scoring station from 1933.

Did You Know?

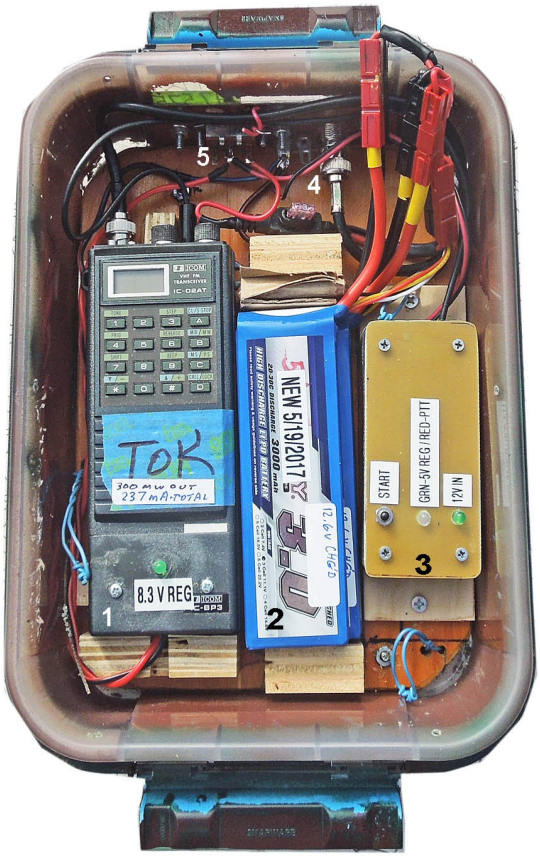
For 1993 Field Day– the ARRL gave out 100 Bonus Points for Class A or B stations who made 10 or more VHF QSOs.

HINTS AND KINKS
CONSTRUCTION & INSTRUCTION
BY READER SUBMISSION

Finishing out the Bunny Hunting theme…

By Jimmy Olsen, Cub Reporter…

A couple of bunny hunters asked, "What's in the Bunny? How does it transmit? What makes it tick?" KR7W uses two kinds of Bunnies– Homebrew and commercially made. For the 5/21 hunt– the home brew wabbits were loosed. What follows is the anatomy of a homebrew bunny, by the numbers…



1: Circa 1984 Icom handy talkie with 8.3V voltage regulator built into the old battery. 8.3V is used because the older handy talkies were made for this voltage– where 12V is too high. This radio on Low Power outputs 300 mW (3/10 watt)- good for a mile away.

2: This bunny uses two 3.0 amp/hour LiPo hobby batteries– when charged are 12.7 V. The batts are in parallel via Power Pole adaptor cables. Other similar homebrew bunnies use a larger and heavier 5 amp/hour Sealed Lead-Acid burglar alarm battery.

3: The project box houses a circa 2005 Ham Gadgets ID-O-Matic [LINK] repeater / beacon controller. The CW ID message is programmed (via PC) with "E E E E (for one dit) then DE KR7W K" where the number of E's and the CW speed sets the time the message plays. Another programmed setting determines the delay between messages. There is a start/reset button for quick turn on of the controller. LEDs give status for trouble shooting.

4: BNC cable from Handy Talkie ANT jack to a jack on the outside of the enclosure.

5. The OFF / ON slide switch on the outside of the enclosure– for easy activation and shut down– without having to remove the cover- in the field.

6. The cammo painted enclosure used to house all this stuff is a Snapwear [LINK] Storage Container from Fred Meyer, Target, etc. A thin piece of plywood is screwed to the bottom of the container. Custom sized wood blocks are glued to the plywood bottom to keep the electronic parts and batteries from shifting around. Loops of blue wire can be seen– rubber bands tied between these loops keep parts secured in place.

TNT The New Thing

What's New and Notable in Ham Radio?

Contributions by Readers like you

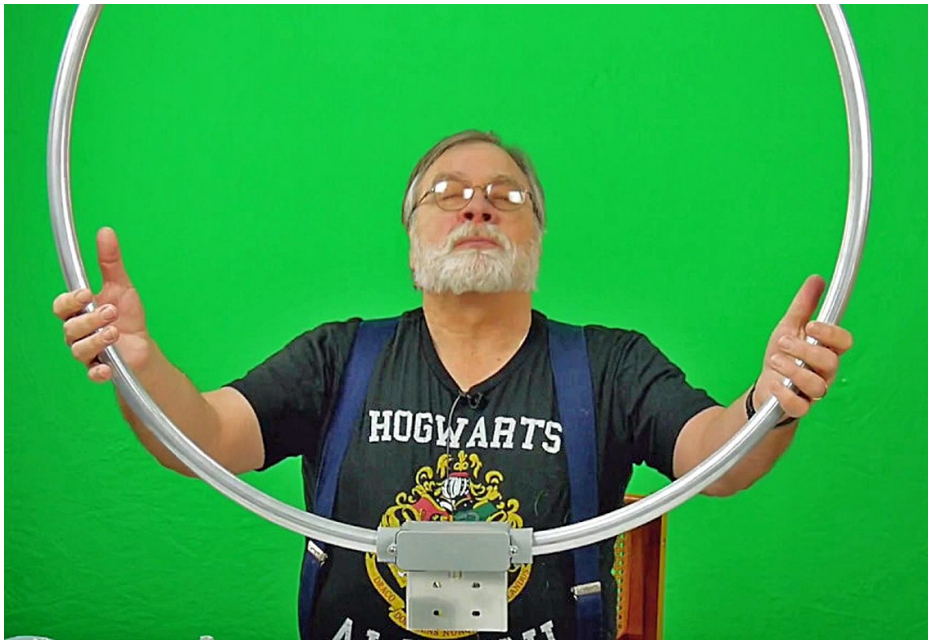
The long waited for Icom IC-7610 dual receiver direct sampling SDR Transceiver.
Specs here: http://qrznow.com/icom-ic-7610-pre-release-brochure/ [LINK]

Do you have high noise at your house on the HF Bands? If so…

Does you transceiver have more than one Antenna Jack?

Perhaps this Receiving Loop Antenna will help you out.

This photo is from Dave's Youtube Video Review: https://www.youtube.com/watch?v=OEny55bZ8FA [click LINK]



Another Youtuber reviews this same antenna. See: https://www.youtube.com/watch?v=BGuvPSG7wkU [click LINK]

Design and Build your own here: http://www.aa5tb.com/loop.html [LINK]

Radio Club of Tacoma

1916 - 2016

100 Years of Service

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Bob Jamison, KE7WPK - ke7wpk@w7dk.org
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Membership Info: FULL (licensed) and ASSOCIATE (non licensed) is $35 per calendar year. $30 for Licensed Seniors (65 and over). Licensed family members at same address pay $20 each for the first two and are free for the third, fourth, and so on. Full-time students, licensed or non licensed, up to age 25 are $20 per year. Note: fees are applicable for the calendar year: Jan to Dec. Lifetime membership is 20 times the yearly fee you are eligible for.. Lifetime memberships are calculated based on the FULL and ASSOCIATE rates.

Radio Club Repeaters

Central Tacoma:	147.280 + PL=103.5	
Crawford Mountain	147.380 + PL=103.5	(E of Olympia @ 1500 ft ASL)
Central Tacoma:	440.625 + PL=103.5	
North Tacoma:	145.21 – PL=141.3	

www.w7dk.org [LINK] - For the latest and most current information on events and activities, visit the Radio Club of Tacoma Website.